

**Statement of Work  
for  
Rebuild of the Computer Sub Assembly  
NSN 7050-01-353-5598  
P/N 214519-100; CAGE 13973**

**SOW-02-847-2-8F144B-1/1**

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## Table of Contents

Section/Para	Page
1.0 Scope	1
1.1 Background	1
2.0 Applicable Documents	1
2.1 Military Standards	1
2.2 Other Government Documents and Publications	1
2.3 Industry Standards	2
3.0 Requirements	2
3.1 General Tasks	2
3.2 Detail Tasks	3
3.2.1 Phase I - Pre-induction	3
3.2.2 Phase II - Rebuild	3
3.2.3 Phase III - Inspection, Testing and Acceptance	3
3.2.4 Packaging, Handling, Storage and Transportation (PHS&T)	3
3.3 Configuration Control	4
3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM)	4
3.5 Contractor Furnished Materiel	4
3.6 Electrostatic Discharge (ESD) Control Program	4
3.7 Electromagnetic Environmental Effects (E <sup>3</sup> ) Procedures	4
3.8 Quality Assurance Provisions	5
3.9 Acceptance	5
3.10 Rejection	5
Appendix A	A-1

STATEMENT OF WORK FOR THE  
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NSN 7050-01-353-5598

1.0 Scope. This Statement of Work (SOW) establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for purposes of this SOW, Contractor is defined as the commercial or government entity performing the rebuild) in the rebuild effort of the Computer Sub Assembly. This document contains requirements to restore the Computer Sub Assembly to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than six months shelf-life remaining."

1.1 Background. Rebuild is defined as: "That maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through a maintenance technique or complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the items."

2.0 Applicable Documents. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards.

MIL-STD-129	DoD Standard Practice for Military Marking
MIL-STD-2073-1D	DoD Standard Practice for Military Packaging

2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

214519; CAGE 13973	Engineering Drawing Package
TM 08487C-30&P/2	Maintenance Instructions for PCN 184 084876 00 the Digital Message System AN/PSC-2A
SL-4-08487C	Repair Parts for Computer Sub Assembly PCN 124 084872 00
RS-08487A-50/1	Rebuild Standards for the Digital Communications Terminal, AN/PSC-2

DoD 4000.25-1-M

MILSTRIP Manual

NAVICPINST 4491.2A

Requisitioning of Contractor Furnished Materiel (CFM) from the Federal Supply System

Military Handbook (For Guidance).

MIL-HDBK-61

Configuration Management Guidance

### 2.3 Industry Standards.

JESD625-A

Requirements for Handling Electrostatic-Discharge-Sensitive (ESDS) Devices

ANSI/ISO/ASQC Q9003-1994

Quality Systems-Model for Quality Assurance in Final Inspection and Test

Industry Standards (For Guidance).

ANSI/EIA-649

National Consensus Standard for Configuration Management

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the contracting officer: Commander, Marine Corps Logistics Bases, (Code 891) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (229) 639- 6773 or DSN 567-6773. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: Code 583-1, 814 Radford Blvd. STE 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

### 3.0 Requirements.

#### 3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, equipment, facilities and missing/repair parts, necessary to inspect, diagnose, restore, test and calibrate the Computer Sub Assembly. Upon completion of rebuild, the subject item shall be Condition Code "A".

b. Conduct in-process and final on-site testing for witness by a Marine Corps Systems Command (MCSC), Albany, GA (Code C4I) authorized representative.

#### 3.2 Detail Tasks. The following tasks describe the different phases for rebuild of the Computer Sub Assembly.

3.2.1 Phase I- Pre-induction. The contractor shall perform a pre-induction inspection analysis for each Computer Sub Assembly using the Contractor Facility's diagnosis, inspection and testing techniques to determine extent of work and parts required. These findings shall be annotated on the Pre- Induction Checklist (Appendix A).

3.2.2 Phase II -Rebuild. After pre-induction tests and inspections have been completed, repair of the Computer Sub Assembly shall be accomplished by the contractor in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist (Appendix A) during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair. Any Modification Instructions (MIs) or Engineering Change Proposals (ECPs) not previously applied shall be incorporated.

a. Hardware.

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turn lock fasteners, mandatory replacement items, safety, and one-time use items, etc., in accordance with this SOW. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

3.2.3 Phase III - Inspection, Testing and Acceptance.

The contractor shall conduct inspection, testing and acceptance of the Computer Sub Assembly in accordance with Engineering Drawing 214519; Cage 13973, TM 08487C-30&P/2, SL-4-08487C and RS-08487A-50/1. Part Number 214519-100 of the engineering drawing applies.

3.2.4 Packaging, Handling, Storage and Transportation (PHS&T).

a. The Contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Items scheduled for long-term storage or overseas shipment shall be in accordance with the level "A" requirements of MIL-STD-2073-1D, Appendix J, Table J.Ia., Specialized Preservation Code "GX". Items scheduled for domestic shipment for immediate use or short-term storage shall be level "B" requirements. All items subject to Electrostatic Sensitivity shall be packed into a reusable fast-pack container.

b. Marking for shipment and storage shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the Contractor with the shipping address(es) for delivery of the repaired equipment. The Contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the equipment to and from the Contractor.

3.3 Configuration Control. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation. MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing this configuration control document.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). GFE is government owned equipment authorized by contract for use by a Commercial/Government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/573-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets.

3.5 Contractor Furnished Materiel. The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the contractor shall requisition through the DOD Supply System. DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DOD Supply System.

3.6 Electrostatic Discharge (ESD) Control Program. The contractor shall establish, implement and document an ESD control program following the guidelines provided in JESD625-A. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing and transporting ESD sensitive components.

3.7 Electromagnetic Environmental Effects (E3) Procedures. The Contractor shall plan for and use proper (E3) control procedures in the Rebuild process and shall utilize RS-08487A-50/1 in conjunction with the detailed requirements specified in this document.

### 3.8 Quality Assurance Provisions.

The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994, Quality Systems - Model for Quality Assurance in Final Inspection and Test. The program shall ensure quality throughout all areas to include processing, assembly, inspection, test, maintenance, and preparation for delivery and shipping. Unless otherwise specified in the contract, the contractor shall be responsible for performance of all inspection requirements. The Government (MCSC, C4I, Albany) reserves the right to perform any of the inspections set forth in the contract where such inspections are deemed necessary to assure products and services conform to the prescribed requirements. The Contractor shall provide an Inspection and Test Plan that will ensure the Computer Sub Assembly will meet or exceed its original performance characteristics of the Computer Sub Assembly.

3.9 Acceptance. The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives (MCSC, C4I, Albany) shall be permitted to observe the work or to conduct an inspection. Final inspection and acceptance testing shall be conducted at the Contractor's Facility. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

3.10 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCSC (C4I), Albany, representative. The Contractor shall, at no additional cost to MCSC, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

**Pre-Induction Checklist**  
Computer Sub Assembly, AN/PSC-2A

1. Using the following criteria, inspect the items listed below.
  - a. Inspect for dirt, dust, sand, etc.
  - b. Inspect for rust and/or corrosion damage.
  - c. Inspect for any physical damage. (cuts, dents, cracks, broken pins, etc.)
  - d. Ensure that all screws, washers, nuts, bolts, etc. are attached.
  - e. Inspect for dry rot on all rubber and plastic components.
  - f. Ensure that all covers and caps are attached.
  - g. Ensure that all knobs, switches and breakers operate freely and properly.

**S** - Serviceable**U** - Unserviceable**M** - Missing

Remarks:

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**APPENDIX A**



(1 Data Item)

OMB No. 1704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ Other <u>XXX</u>
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D. SYSTEM/ITEM Computer Subassembly	E. CONTRACT/PR No.	F. CONTRACTOR
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C	Paragraph 3.3	MARCORLOGBASES 851

8. APP CODE A	A	11 AS OF DATE	13 DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	Draft	FINAL	
						Reg	Repro

Block 10 & 12: RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.				

RFDs shall be transmitted via e-mail to the following address:  
mbmatcomconfigmgmnt@matcom.usmc.mil.

[illegible][illegible]

G. PREPARED BY: <i>Gene Collins</i>	H. DATE 02 2001	I. APPROVED BY: <i>William H. Tonder</i>	J. DATE 13 Jul 01
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DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED Page 1 of 1 Page

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